CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/W.No.03/YGM/CSR-04/014k/CEMENT/2016-17 Date: 18.04.2016

TEST REPORT ON CEMENT

* CUSTOMER	:	Asst. Executive Engineer, Yelahanka New Town Sub Division, BBMP, Bangalore.
*AGENCY	:	Mr. Y.G. Manjunath, No. 476, 3rd Cross, Attur, Yelahanka, Bangalore.
*NAME OF THE WORK	:	Providing name board and ornamental boards in Attur Ward No. 03, Yelahanka New Town Sub Division, BBMP, Bangalore.
REFERENCE	:	BBMP/AEE/YNTSD/ /2016-17 Dated: 16.04.2016
SAMPLE ID	:	Cement - Sample 1
SAMPLE RECEIVED ON	:	16.04.2016
PERIOD OF TESTING	:	16.04.2016 to 18.04.2016

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	27.50%	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	160 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	475 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

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⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Pradeep AE 18/4

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Lab No.: CTCE/BBMP/W.No.03/YGM/CSR-04/014k/SAND Gradation/2016-17 : 18.04.2016

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Y.G. Manjunath,** No. 476, 3rd Cross, Attur, Yelahanka, Bangalore.
* Name of Work	: Providing name board and ornamental boards in Attur Ward No. 03, Yelahanka New Town Sub Division, BBMP, Bangalore.
Reference	: BBMP/AEE/YNTSD/ /2016-17 Dated: 16.04.2016
Technical Reference	: IS : 2386 Part 1 - 1963 RA-2007
Sample ID	: Fine Aggregates - Sample 1
Sample Received on	: 16.04.2016
Date of Testing	: 18.04.2016

Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	93.30	90-100	90-100	90-100	95-100
2.36	76.50	60-95	75-100	85-100	95-100
1.18	51.20	30-70	55-90	75-100	90-100
600 Micron	23.40	15-34	35-59	60-79	80-100
300 Micron	9.20	5-20	8-30	12-40	15-50
150 Micron	3.30	0-10	0-10	0-10	0-15

* Information is furnished by the Customer/Representative

Remarks : This sample is under Zone-I specific limits.

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Job No.: CTCE/BBMP/W.No.03/YGM/CSR-04/014k/AGG/GR/2016-17 : 18.04.2016

TEST REPORT ON COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Y.G. Manjunath,** No. 476, 3rd Cross, Attur, Yelahanka, Bangalore.
* Name of Work	: Providing name board and ornamental boards in Attur Ward No. 03, Yelahanka New Town Sub Division, BBMP, Bangalore.
Reference	: BBMP/AEE/YNTSD/ /2016-17 Dated: 16.04.2016
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (20mm) - Sample 1
Sample Received on	: 16.04.2016
Date of Testing	: 18.04.2016

Total Wt. of Aggregates in gms= **7000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Spec.Limits as per IS 383-1970 (RA- 2007)	
		Graded	Single Sized
80	100	100	-
63	100	-	100
40	96.60	95-100	85-100
20	34.36	30-70	0-20
10	12.23	10-35	0-5
4.75	1.26	0-5	-

* Information is furnished by the Customer/Representative

Remarks : This sample is under Graded specific limits.

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Job No.: CTCE/BBMP/W.No.03/YGM/CSR-04/014k/CUBE/2016-17 25.05.2016

TEST REPORT ON COMPRESSIVE STRENGTH OF CONCRETE CUBES

* Customer	: **Asst. Executive Engineer,** Yelahanka New Town Sub Division, BBMP, Bangalore.
* Agency	: **Mr. Y.G. Manjunath,** No. 476, 3rd Cross, Attur, Yelahanka, Bangalore.
* Name of the work	: Providing name board and ornamental boards in Attur Ward No. 03, Yelahanka New Town Sub Division, BBMP, Bangalore.
Reference	: BBMP/AEE/YNTSD/ /2016-17 Dated: 16.04.2016
* Sample ID	: Cement Concrete
Size of cubes	: 150mmx150mmx150mm
Cross Sectional Area	: 22500 mm^2
Technical Reference	: IS: 516-1959 (Reaffirmed 2008)
* Grade of Concrete	: M_{35}
Compressive Strength as on	: 28^{th} day
Sample Received on	: 25.05.2016

Sl.No.	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	27.04.2016	25.05.2016	8.148	363.7	16.16
2	27.04.2016	25.05.2016	8.237	375.8	16.70
3	27.04.2016	25.05.2016	8.352	391.2	17.39

Information is furnished by the Customer/Representative

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